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Application No.:	09/772,445
Filing Date:	January 29, 2001
First Named Inventor:	KLEINMAN et al.
Group Art Unit	1654
Examiner Name:	Ronald T. Niebauer
Attorney Docket No.:	2600-109
Customer No.:	6449
Confirmation No.:	1045

U.S. PATENT DOCUMENTS						
		U.S. Patent	Document	Name of Datastas or Applicant	Date of Publication	
Examiner Initials*	Cite No.1	Number	Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	of Cited Document MM-DD-YYYY	
÷	1	4388234		Horecker	06-14-1983	
	2	4543340		Goldstein et al.	09-24-1985	
	3	5578570		Goldstein et al.	11-26-1996	
	4	5593964		Goldstein et al.	01-14-1997	
	5	5650145	ŧ	Saint-Leger	07-22-1997	
	6	5663071		Zetter et al.	09-02-1997	
	7	6013279		Klett-Loch	01-11-2000	
	8	6030948		Mann	02-29-2000	
	9	6211155	B1	Dussourd et al.	04-03-2001	
-10	10	6212946	B1	Naegele et al.	04-10-2001	
	11	6272913	B1	Naegele et al.	08-14-2001	
	12	6465421	B1	Duranton et al.	10-15-2002	
×	13	6586403	B1	Mathison et al.	07-01-2003	
· · · · · · · · · · · · · · · · · · ·	14	6602519	B1	Stevenson et al.	08-05-2003	
	15	6821524	B2	Marini	11-23-2004	
	16	7268118	B2	Kleinman et al.	09-11-2007	
	17	2003/0228266	A1	Marini	12-11-2003	
	18	2004/0067227	A1	Goldstein	04-08-2004	
	19	2004/0134282	A1	Hayashi et al.	07-15-2004	

Examiner Signature	Date Considered	

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	20	2007/0009469	A1	Kleinman et al.	01-11-2007
	21	2007/0111931	A9	Kleinman et al.	05-17-2007

			FORE	EIGN PAT	ENT DOCUMENTS		
			Foreign Patent Docui	ment			
Examiner Initials*	Cite No.1	Office ³ Code	Number ⁴	Kind ⁵ (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication	T ⁶
	22	DE	19711939	A1	Robert Bosch GmbH	09-24-1998	
	23	DE	19731420	A1	Robert Bosch GmbH	01-28-1999	
	24	EP	0124779	A2	George Washington Univ.	11-14-1984	
	25	EP	0229654	A2	Carl Richard Thornfeldt	07-22-1987	
	26	EP	0410348	A1	G.D. Searle & Co.Co.	01-30-1991	
	27	EP	0450240	A1	Gen-Ichiro Soma, et al.	10-09-1991	
	28	EP	0451903	A2	The Procter & Gamble Company	10-16-1991	
	29	FR	2530466	A1	Michel Hecmati	01-27-1984	AB
	30	JP	02-142717	Α	Kanebo Ltd.	05-31-1990	AB
	31	JP	3-095120	А	Searle & Co.	04-19-1991	АВ
	32	JP	5-507917	А		11-11-1993	AB
,	33	JP	6-128295	А	Univ. Dandeii	05-10-1994	AB
	34	JP	7-238037	А	Oreal	09-12-1995	AB
	35	JP	07-316022	А	Kyowa Hakko Kogyo Co. Ltd.	12-05-1995	AB
	36	JP	08-053326	А	Kanebo Ltd.	02-27-1996	AB
	37	JP	8-053329	А	Oreal	02-27-1996	AB

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Examiner	Date	
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			Foreign Patent Docur	ment		8	
Examiner Initials*	Cite No.1	Office ³ Code	Number ⁴	Kind ⁵ (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication	T ⁶
	38	JP	60-142908	А	Kanebo Ltd.	07-29-1985	АВ
	39	JP	62-215522	А	Kaaru Richiyaado Soonfueruto	09-22-1987	AB
	40	JР	2001-526200	А		12-18-2001	AB
	41	RU	2295963	C1	Closed Joint Stock Company Scientific-Production Enterprise "Trinity"	03-27-2007	AB
	42	wo	84/03437	A1	Rudolf Trensch	09-13-1984	АВ
	43	wo	92/00057	A1	Janssen Pharmaceutica N.V.	01-09-1992	
	44	wo	94/11499	A1	Max Planck Gesellschaft	05-26-1994	
	45	wo	94/18988	A2	Von Arnim	09-01-1994	
0	46	wo	94/23739	A1	George Washington University	10-27-1994	
	47	wo	95/09646	A1	George Washington University	04-13-1995	
	48	wo	96/16983	A1	La Jolla Cancer Research Foundation	06-06-1996	
	49	wo	96/17584	A2	Maria Lore Klett-Loche	06-13-1996	AB
	50	wo	97/18239	A1	Rech de Pathologie Appl Soc D.	05-22-1997	AB
	51	wo	99/32072	A1	Morris Mann	07-01-1999	
	52	wo	00/06190	A1	The Government of the United States of America as represented by the Sec. of Health and Human Services, National Institutes of Health	02-10-2000	

Examiner Date Signature Considered	
Signature Considered	<u> </u>
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NON PATENT LITERATURE DOCUMENTS						
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	53	"Anti-Aging FAQ," retrieved from http://www.aging-resource.org/faq.php, 2 pages, retrieved March 16, 2008.				
	54	AUDHYA et al.: "Contrasting biological activities of thymopoietin and splenin, two closely related polypeptide products of thymus and spleen," Proc. Natl. Acad. Sci. USA, vol. 81, no. 9, pp. 2847-2849, May 1984, Abstract Only.				
	55	"Causes of Wrinkling," retried from http://www.dermanetwork.org/glossary/2007/09/causes_of_wrinkling_1.html, 4 pages, retrieved March 16, 2008.				
	56	DARDENNE et al.: "Interactions Between Zinc and Thymulin," Metal-Based Drugs, vol. 1, no. 2-3, pp. 233-239, 1994, Abstract only.				
	57	"Doctor Secret Brand glycolic acid- Home chemical peel and skin beauty Glycolic Acid products," printed from http://www.doctorsecret.com, 4 pages, 2009.				
	58	ESTEVE: "An Active Complex for Prevention of Skin Aging," Drug & Cosmetic Industry, pp. 1-10, File Promt on STN, An No. 92:539512, Sept. 1994.				
	59	Fibrex Medical Inc.: "Fibrex Medical Initiates Phase II Trial of Treatment for Reperfusion Injury in Myocardial Infarction," printed from http://www.fibrexmedical.com/news_1.html, 8 pages, 2007.				
	60	Fibrex Medical Inc.: "Technology – Mode of Action" printed from http://www.fibrexmedical.com/print/p_technology_2.html, 1 page, 2007.				
	61	Fibrex Medical Inc.: "Technology: Anti-Inflammatory Peptides," printed from http://www.fibrexmedical.com/print/p_technology_1.html, 2 pages, 2007.				
	62	Fibrex Medical Inc.: "Product Pipeline," printed from http://www.fibrexmedical.com/print/p_products_1.html, 1 page, 2007.				
	63	Fibrex Medical Inc.: "Company Profile – About FIBREX Medical," printed from http://www.fibrexmedical.com/print/p-Index_2.html, 2 pages, 2007.				
×	64	"FX06 Peptide for Myocardial Infarction Proves to be Safe, FIBREX Medical," printed from http://www.medicalnewstoday.com/printerfriendlynew.php?newsid=41250, 1 page, 2007.				
*	65	GOLDSTEIN et al.: "Purification and Biological Activity of Thymosin, a Hormone of the Thymus Gland," Proceedings of the Natl. Acad. Sci., vol. 69, no. 7, pp. 1800-1803, July 1972.				

	14		
Examiner	Date		
Signature	Considered	.00	

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	66	HAHN: "Thymuskin: Clinical Efficacy, Biological Effects, Modes of Action," 6 pages, July 2006.	
*	67	Hannappel et al.: "Isolation Peptides from Calf Thymus," Biochem. And Biophys. Research Comm. Vol. 104, no. 1, pp. 266-271. Jan. 1982.	
	68	"How to Choose the Right at Home Chemical Peel," printed from http://www.articlesbase.com/skin-care-articles/how-to-choose-the-right-at-home-chemical-peel-85, 4 pages, 2009.	
	69	IDS Health Inc :: Glandular Capsules :: LTP600 mg - 60 capsules printed from http://www.vitaminmegashop.com/product.php?productid=21340, 2 pages, 2010.	
	70	Integrative Therapeutics (60 capsules): Compare Prices, View Price History and Read Review printed from http://www.nextag.com/Integrative-Therapeutics-Thymucin-60-582833944/zzlzB4z23/prices-html, 2 pages, 2010.	
	71	Jackson: "Elderly and sun-affected skin: Distinguishing between changes caused by aging and changes caused by habitual exposure to sun," Canadian Family Physician, vol. 47, pp. 1236-1243, June 2001.	
	72	"Lamnin-511 Offers Hope for Regenerating Hair Follicles in Bald People," 4 pages, 2010.	
	73	LifeSciencesWorld: "Fibrex Medical Initiates Phase II Trial of Treatment for Reperfusion Injury in Myocardial Infarction," printed from http://www.lifesciencesworld.com/news/view/10639, 3 pages. 2007.	
	74	LOW et al.: "Complete amino acid sequence of bovine thymosin β ₄ : A thymic hormone that induces terminal deoxynucleotidyl transferase activity in thymocyte populations," Proc. Natl. Acad. Sci. USA, vol. 78, no. 2, pp. 1162-1166, February 1981.	
	75	LOW et al.: "Thymosin fraction 5 and 5A," Methods in Enzymology, vol. 116, pp. 219-233, 1985.	
	76	"New Study Confirms TB4 Improves Cardiovascular Function after Heart Attack," 2 pages, 2006.	1
	77	"Obviate": definition of obviate by the Free Online Dictionary, Thesaurus and Encyclopedia, printed from http://www.thefreedictionary.com/obviate, 3 pages, 2010.	

Examiner Signature		Date Considered	

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	78	PHILP et al.: "Thymosin beta4 promotes angiogenesis, wound healing, and hair follicle development," Mech Ageing Dev., vol. 125, no. 2, pp. 113-115, February 2004, Abstract Only.		
	79	RODRIGUES: "Do Anti-Wrinkle Creams Actually Work?" retrieved from http://www.buzzle.com/editorials/5-20-2006-96739.asp, 3 pages, May 22, 2006.		
	80	Thymucin 60 Capsules printed from http://www.easyhealthzone.com/ProductDetails.asp?ProductCode=PP0077&click-71, 2 pages, 2010.		
	81	Thymucin (60) by Phytophamica - Phytopharmica printed from http://www.phytostore.com/product/763948140060.html, 2 pages, 2010.		
	82	ThymuSkin Hair Loss Products printed from http://www.thymusking.com/eshop/item.php?item=84&cat=41, 1 page, 2010.		

Examiner Signature	Date Considered	
-----------------------	--------------------	--

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